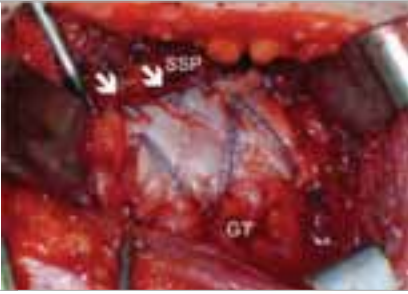











EPIFLEX CASOS CLÍNICOS

PRODUCTO	MEDIDA	REFERENCIA	ARTICULACIÓN	INDICACIÓN	PUBLICACIONES	IMÁGEN
EPIFLEX	4X4 cm	GT4061	HOMBRO	AUMENTACIÓN TENDÓN MANGUITO ROTADORES	<ul style="list-style-type: none"> Acellular Dermal Matrix in Rotator Cuff Surgery. Cooper et al. American Journal of Orthopedics 2016 Outcomes of Combined Bone Marrow Stimulation and Patch Augmentation for Massive Rotator Cuff Tears. Soon et al. Am J. Sports Med 2016 A prospective, randomized evaluation of acellular human dermal matrix augmentation for arthroscopic. Barber et al. Arthroscopy 2012 Histological and clinical results after arthroscopic augmentation with acellular human dermis in massive rotator cuff defects of the elderly. Kunz et al. DVSE 2017 Healing rates for challenging rotator cuff tears utilizing an acellular human dermal reinforcement graft. Agrawal et al. Int. J. Should. Sure 2012 	
EPIFLEX	5X10 cm 5X5 cm (+3mm)	GT4066/GT4115	HOMBRO	RECONSTRUCCIÓN CAPSULAR	<ul style="list-style-type: none"> Clinical Results of Arthroscopic Superior Capsule Reconstruction for Irreparable Rotator Cuff Tears. Arthroscopy. 2013. Mihata T et al. Superior Capsule Reconstruction to Restore Superior Instability in Irreparable Rotator Cuff Tears. Mihata T et al. AJSM 2011 Biomechanical Role of Capsular Continuity in Superior Capsule Reconstruction for Irreparable Tears of the Supraspinatus. Mihata T et al. AJSM 2016 Arthroscopic Superior Capsular Reconstruction for Treatment of Massive Irreparable Rotator Cuff Tears. HIRAHARA ET AL. Arthrosc Tech. 2015 	
EPIFLEX	6x6 cm	GT4067	HOMBRO	RESURFACING DE GLENA	<ul style="list-style-type: none"> Arthroscopic debridement and biological resurfacing of the glenoid in glenohumeral arthritis. De Beer et al. Knee Surg Sports Arth 2010 Arthroscopic glenoid resurfacing as a surgical treatment for glenohumeral arthritis in young patient. Savoie et al. Arthroscopy 2009 Biological resurfacing of the glenoid in the athlete. Krishna et al. Operative Techniques in Sports Med. 2008 	
EPIFLEX	4X8 cm	GT4063	PIE/TOBILLO	AUMENTACIÓN AQUILES	<ul style="list-style-type: none"> Biological incorporation of human acellular dermal matrix used in Achilles tendon repair. Berates et al. Cell Tissue Bank. 2017 Stover, BS et al., Use of Soft Tissue Matrices as an Adjunct to Achilles Tendon Repair and Reconstruction, Clin Podiat Med Surg. 2009; 26:647-58 	
EPIFLEX	2X2 cm	GT4056	PIE/TOBILLO	ATROPLASTIA INTERPOSICIONAL MTP	<ul style="list-style-type: none"> Interpositional Arthroplasty of the first MTP joint using a regenerative tissue Matrix for treatment of advanced Hallux rigidus. (5 year). Higher et al. Foot and Ankle Spec. 2012 	
EPIFLEX	4X4 cm	GT4061	CADERA	AUMENTACIÓN INSERCIÓN TENDÓN DEL GLÚTEO	<ul style="list-style-type: none"> Surgical repair of hip abductors. A new technique using Graft Jacket® allograft acellular human dermal matrix. IRao et al. International Orthopaedics 2012 	
EPIFLEX	80 X 160 cm	GT4070	RODILLA	AUMENTACIÓN TENDÓN DEL CUADRICEPS	<ul style="list-style-type: none"> Acellular dermal graft augmentation in quadriceps tendon rupture repair. Wilkins, Ross M.. Current Orthopaedic Practice 2017 	
EPIFLEX	4X8 cm	GT4066	CODO	AUMENTACIÓN TENDÓN DEL TRICEPS	<ul style="list-style-type: none"> Orthopedic applications of acellular human dermal allograft for shoulder and elbow surgery. Acevedo et al. Orth. Clint. North Am. 2015 	
EPIFLEX	2X4 cm	GT4007	MANO	AUMENTACIÓN FLEXORES I EXTENSORES	<ul style="list-style-type: none"> Acellular Flexor Tendon Allografts: A New Horizon for Tendon Reconstruction. Brake et al. J Hand Surg Am. 2013 	
EPIFLEX	8X16 cm	GT4020	MAMA	RECONSTRUCCIÓN MAMARIA INMEDIATA	<ul style="list-style-type: none"> Evaluation of Complication Rates after Breast Surgery Using Acellular Dermal Matrix: Median Follow-Up of Three Years. Paprottka, Hebebrand et al. Plast Surg Int. 2017 Update 2010 of the German AGO Recommendations for the Diagnosis and Treatment of Early and Metastatic Breast Cancer – Chapter A: Surgery, Pathology and Prognostic Factors. Adjuvant and Neoadjuvant Therapy. Thomsen et al. AGO Breast Committee. Biological Matrices and Synthetic Meshes Used in Implant-based Breast Reconstruction – a Review of Products Available in Germany. Dietrich et al. 2013 	

EPIFLEX: Alta Resistencia: 'Layer dependent biomechanical properties of human acellular dermal matrix' Eras V., Brune J. et al. DGBM 2017 La resistencia del implante en Newtons depende del grosor y ancho del mismo, además de la resistencia del propio material en sí que se mide mediante el Módulo de Young. En caso de EPIFLEX para SPORTSMEDICINE la fórmula sería: $20.8 \text{ MPa (Módulo de Young)} \times 1.67 \text{ mm (grosor implante EPIFLEX)} \times 40 \text{ mm (ancho del implante)} = 1390 \text{ N}$. Según el ancho del EPIFLEX utilizado para cada indicación pueden aplicar la fórmula cambiando la anchura en mm para calcular la resistencia en Newtons.

Alto potencial integración: Referente a la alta capacidad de integración, recomendamos: Rössner E. et al. Epiflex® A new decellularised human skin tissue transplant: manufacture and properties. Cell Tissue Bank 12: 209–217, 2010 y de Kunz W et al. Histological and clinical results after arthroscopic augmentation with acellular human dermis in massive rotator cuff defects of the elderly. DVSE 2017

INMUNOHISTOQUÍMICA CONTRASTE CD31: La presencia de la molécula CD31 es una indicación clara de procesos en curso de angiogénesis (formación vascular).




Abb. 11

INMUNOHISTOQUÍMICA CONTRASTE VIMENTIN: Representación de alta densidad celular

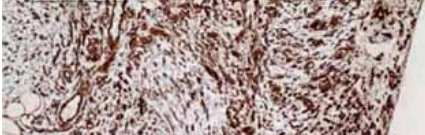


Abb. 12

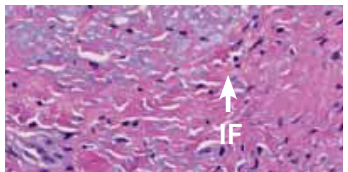


Abb. 6

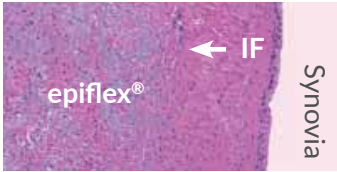


Abb. 7

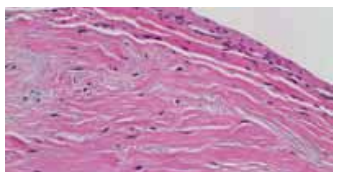


Abb. 8

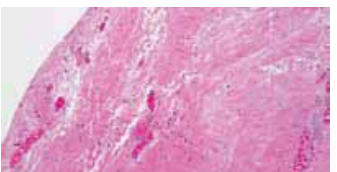


Abb. 9

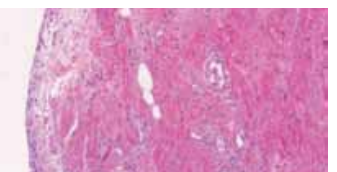


Abb. 10

8 meses post-op. 6. EPiFLEX colonizado por fibroblastos, tejido conectivo y vasos 7. Interfaz tendón y EPiFLEX poblado de fibroblastos

1,5 años (8-9) y 3 años(10) post-op. (8) Alta densidad celular y (9) re vascularización de la zona de inserción del tendón. 10- integración y remodelación completa de la zona.